

Notice of Allowability

Application No.

09/934,722

Applicant(s)

SOULES ET AL.

Examiner

Art Unit

Glenn Zimmerman

2879

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 09/15/2003.
2. ☒ The allowed claim(s) is/are 1-23.
3. ☐ The drawings filed on _____ are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- * Certified copies not received: _____.
5. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
(a) ☐ The translation of the foreign language provisional application has been received.
6. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8. ☒ CORRECTED DRAWINGS must be submitted.
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
1) ☐ hereto or 2) ☐ to Paper No. _____.
(b) ☒ including changes required by the proposed drawing correction filed 04/21/2003, which has been approved by the Examiner.
(c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet.

9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1 <input type="checkbox"/> Notice of References Cited (PTO-892) | 2 <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3 <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 4 <input type="checkbox"/> Interview Summary (PTO-413), Paper No. _____ |
| 5 <input type="checkbox"/> Information Disclosure Statements (PTO-1449), Paper No. _____ | 6 <input type="checkbox"/> Examiner's Amendment/Comment |
| 7 <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8 <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9 <input type="checkbox"/> Other _____ |

DETAILED ACTION

Response to Amendment

Amendment, filed on September 15, 2003, has been entered and acknowledged by the examiner.

Allowable Subject Matter

Claims 1-23 are allowed.

The following is an examiner's statement of reasons for allowance:

Regarding claim 1, the following is an examiner's statement of reasons for allowance: The prior art of record neither shows nor suggests a mercury vapor discharge lamp including the combination of all the limitations as set forth in claim 1, and specifically and a rare earth oxide layer substantially uniformly disposed over a surface of the electrode, the oxide layer being formed from an emission mix slurry, the slurry comprising 20-50 wt.% suspension medium and 50-80 wt.% carbonate powder as suspended solids, the suspension medium being selected from the group consisting of organic materials having a vapor pressure of less than 0.1 mm Hg at 20°C could not be found elsewhere in prior art.

Regarding claim 2, the following is an examiner's statement of reasons for allowance: The prior art of record neither shows nor suggests a mercury vapor discharge lamp including the combination of all the limitations as set forth in claim 2, and specifically the electrode having a secondary coiling, the secondary

coiling having a secondary length, the oxide layer coated on the secondary coiling and having a coating weight of 0.2-0.6 mg/mm along the secondary length, the coating weight being substantially uniform over the secondary coiling along the secondary length could not be found elsewhere in prior art.

Regarding claims 3 and 4, claims 3 and 4 are allowed for the reasons given in claim 2, because of its dependency status on claim 2.

Regarding claim 5, the following is an examiner's statement of reasons for allowance: The prior art of record neither shows nor suggests an emission mix slurry including the combination of all the limitations as set forth in claim 5, and specifically the slurry comprising 20-50 wt.% suspension medium and 50-80 wt.% carbonate powder as suspended solids, the suspension medium being selected from the group consisting of organic materials having vapor pressure of less than 0.1 mm Hg at 20°C could not be found elsewhere in prior art.

Regarding claims 6, 7, 10-12 and 15-21 claims 6, 7, 10-12 and 15-21 are allowed for the reasons given in claim 5, because of their dependency status on claim 5.

Regarding claim 8, the following is an examiner's statement of reasons for allowance: The prior art of record neither shows nor suggests an emission mix slurry for coating onto a fluorescent lamp electrode including the combination of all the limitations as set forth in claim 8, and specifically the slurry comprising 20-50 wt. % suspension medium and 50-80 wt.% carbonate powder as suspended solids, the suspension medium being deionized water could not be found elsewhere in prior art.

Regarding claim 9, claim 9 is allowed for the reasons given in claim 8, because of its dependency status on claim 8.

Regarding claim 13, the following is an examiner's statement of reasons for allowance: The prior art of record neither shows nor suggests an emission mix slurry for coating onto a fluorescent lamp electrode including the combination of all the limitations as set forth in claim 13, and specifically the carbonate powder comprising a mixture of calcium carbonate, barium carbonate and strontium carbonate, the ratio of calcium carbonate: barium carbonate: strontium carbonate in the carbonate powder being about 50:40:10 or about 50:30:20 by weight could not be found elsewhere in prior art.

Regarding claim 14, the following is an examiner's statement of reasons for allowance: The prior art of record neither shows nor suggests an emission mix slurry including the combination of all the limitations as set forth in claim 14, and specifically the carbonate powder comprising barium carbonate, strontium carbonate, calcium carbonate and zirconium carbonate, the ratio of barium carbonate: strontium carbonate: calcium carbonate: zirconium carbonate being 59:22.3:15.1:3.6 could not be found elsewhere in prior art.

Regarding claim 22, the following is an examiner's statement of reasons for allowance: The prior art of record neither shows nor suggests a mercury vapor discharge lamp including the combination of all the limitations as set forth in claim 22, and specifically the oxide layer being formed from an emission mix slurry, the slurry comprising 20-50 wt.% suspension medium, and greater than 50

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wt.% and not more than 80 wt.% carbonate power as suspended solids could not be found elsewhere in prior art.

Regarding claim 23, claim 23 is allowed for the reasons given in claim 22, because of its dependency status on claim 22.


Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Glenn Zimmerman whose telephone number is (703) 308-8991. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimesh Patel can be reached on (703) 305-4794. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is n/a.


Glenn Zimmerman


ASHOK PATEL
PRIMARY EXAMINER